



Enhanced Leak Detection (ELD) Testing Experiences

SAM Forum

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Testing Experience

1. **Presentation is limited to a discussion of existing sites only**
2. **Sites have double wall tanks and double wall pipes in addition to secondary containment requirements.**
3. **Cost per site varies; depends on site conditions**
4. **Most failures occur in the tank containment sumps**
5. **Passing Rate: Depends**
6. **Button-up practices: Pressure decay test followed by He testing**
7. **Cost Comparison**



ELD Testing Experiences

Focus Area	Objectives	Outcomes
Testing	<ul style="list-style-type: none">Originally test 60 existing facilities.	<p>40 sites tested: 38 - remote tested 2 - mobile lab</p> <p>25 Reports received to date 10 passed on the first attempt 15 failed first attempt (majority of failures in the tank sumps)</p> <p>6 sites retested: 5 - Mobile lab test 1 - remote test (failure in one tank sump) Unofficial report: 5 of 6 passed</p>
Cost Comparison	<ul style="list-style-type: none">Evaluate Mobile Lab Testing v. Remote Testing	<ul style="list-style-type: none">Mobile Labs have very high passing rate due to real time data/subsequent repairs/retestTwice as expensive as remote testing.
Button-up	<ul style="list-style-type: none">Ensure a Vapor tight system prior to tracer test	<ul style="list-style-type: none">Costs varyUse Helium